

We claim:

1. A blank firing barrel for handguns, comprising:
a unitary, elongated metal blank firing barrel having an open end and an opposing
5 solid end with a pressure relieving means, the opposing solid end with pressure relieving
means being formed from the metal barrel, the blank firing barrel sized to be substituted
for a live ammunition firing barrel in a handgun;
means for restricting the blank firing barrel to use a blank cartridge instead of a live
ammunition cartridge; and
10 means for allowing the blank firing barrel to recoil in the handgun when the
handgun is fired with a blank cartridge.
2. The blank firing barrel of claim 1, wherein the elongated metal blank firing barrel is
formed by drilling into one end of a solid stainless steel block.
- 15 3. The blank firing barrel of claim 1, wherein the opposing solid end with pressure
relieving means is approximately .110 inches thick.
4. The blank firing barrel of claim 1, wherein the restricting means includes:
20 a cavity inside the blank firing barrel having a smaller diameter than a live ammunition
cartridge.
5. The blank firing barrel of claim 4, wherein the smaller diameter is in a range
from approximately 3% up to approximately 10% smaller than the live ammunition
25 cartridge.

6. The blank firing barrel of claim 1, wherein the recoil means includes: a first angled cut at the top forward end of the breechblock and a second angled cut in a rear lug portion underneath the blank firing barrel.
- 5 7. The blank firing barrel of claim 6, wherein the first angled cut is approximately 45 degrees and the second angled cut is approximately 32 degrees.
8. The blank firing barrel of claim 3, wherein the pressure relieving means includes: an angled through-hole in the opposing solid end of the blank firing barrel.
- 10 9. The blank firing barrel of claim 8, wherein the angled through-hole includes: a downward angle of approximately 45 degrees.
10. The blank firing barrel of claim 9, wherein the angled through-hole includes: a downwardly projecting through-hole exiting from a lower end portion of the closed end of the blank firing barrel.
- 15 11. The blank firing barrel of claim 9, wherein the angled through-hole includes: an opening having a diameter of approximately .062 inches.
- 20 12. The blank firing barrel of claim 1, wherein the live ammunition cartridge includes: a 9mm cartridge.
13. The blank cartridge of claim 1, wherein the cartridge has a metal shell of reduced external diameter encapsulating powder formulated to produce the desired combustion and closed on one end with a rosette crimp.
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14. The blank cartridge of claim 13, wherein the metal shell is of ammunition grade brass.
15. The blank cartridge of claim 13, wherein the metal shell is approximately 0.346 inches longer than a standard live round empty shell.
16. The blank cartridge of claim 13, wherein the metal shell is of reduced external diameter in contrast to a standard live round empty shell.
- 10 17. The blank cartridge of claim 16, wherein the metal shell is approximately 0.0153 inches reduced in diameter in contrast to a standard live round empty shell.
18. A method of using a blank firing barrel for a live ammunition-firing handgun, comprising the steps of:
- 15 substituting a unitary blank firing barrel in place of a live ammunition firing barrel in a handgun; and
- preventing live ammunition from being inserted into the blank firing barrel, wherein only a blank firing cartridge is used.
- 20 19. A method of forming a blank firing barrel for use with handguns, comprising the steps of:
- boring an opening solely through one end of a metal block so that an opposite end remains in an original solid state; and
- drilling a pressure release opening in the opposite solid end; and
- 25 restricting the opening in the one end to only accept a blank cartridge; and
- sizing the metal block into a blank firing barrel to be inserted into a handgun.

20. The method of claim 19, wherein the sizing of the metal block into a blank firing barrel includes the forming of a breechblock on one end having a bottom part and a top part and a blank firing barrel at the opposite end.

5 21. The method of claim 20, wherein the sizing of the metal block includes forming a top part of the breechblock with an angle cut on the top forward end.

22. The angle cut of claim 21, wherein the angle is approximately forty-five degrees.

10 23. The method of claim 20, wherein the sizing of the metal block includes forming a bottom part of the breechblock with a feed ramp lug located at the rear bottom section.

24. The method of claim 23, wherein the sizing of the metal block includes an angular removal of material from the block positioned at the front face of the feed ramp lug.

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25. The angular removal of material of claim 24, wherein the angle is approximately thirty-two degrees.